

THE BUILDER.

TO ARCHITECTS, BUILDERS, CONTRACTORS, &c.

HARTLEY'S PATENT ROUGH PLATE GLASS,

1-8th thick, or 2 lbs. to the foot; 3-16ths, or 3 lbs.; and 1-4th, or 4 lbs. to the foot, for

RIDGE AND FURROW ROOFS, GREENHOUSES, RAILWAY STATIONS, ENGINE SHEDS, MILLS, MARKET HALLS, AND PUBLIC BUILDINGS GENERALLY.

It being universally admitted that Glass in Roofs of a permanent character should not be less than one-eighth of an inch thick, weighing two pounds to the foot, Messrs JAMES HARTLEY and CO. have directed their attention to the manufacture of a description of

ROUGH PLATE GLASS THAT COMBINES SIZE AND STRENGTH WITH ECONOMY OF COST.

The PATENT ROUGH PLATE is manufactured in glass expressly for Ridge and Furrow Roofs, giving a span of from 8 to 12 feet, and a pitch not exceeding weight for weight that of common Crown Glass. The being transparent, blends in unobtrusively, and when used in Greenhouses as a covering, the SUNSHINE IS KEPT OFF and rough renders it eminently suitable for the Glazing of the various and kinds of all kinds of Factories, Workshops, &c. for which purpose it is supplied in squares of all sizes, from 5 by 4 inches and upwards. For further information apply to Messrs JAMES HARTLEY and CO., Wear Glass Works, Sunderland. N.B.—The Patent Rough Plate is supplied at a much lower cost than the common Rough Plate.—May 1, 1851.

GLASS FOR CHURCHES, CHAPELS, SCHOOLS, &c.

HARTLEY'S PATENT QUARRY GLASS,

Of three thicknesses, in long lengths: an economical substitute for lead lights. The attention of Architects, Builders, and others is particularly requested to this beautiful article, and of which may be seen a specimen at the office of the undersigned.

JOSEPH CHATER AND SON'S, ST. DUNSTON'S-HILL, TOWER-STREET, LONDON.

GLASS TILES, 1/2 of an inch thick, packed

in cases containing 48 sq. ft. per case net. JAMES PHILLIPS and CO. beg to inform Builders and the Trade they supply SUPERIOR FOREIGN SHEET GLASS in cases of 24, 36, 48, and 60 sq. ft. per case. STAINED and ORNAMENTAL GLASS in per foot. Hartley's Patent Rough Plate and Patent Quarry Glass—116, Bishopsgate-street Without.

THOMAS MILLINGTON begs to inform BUILDERS and the Trade that he can supply them with FOREIGN and ENGLISH WINDOW GLASS, Plain and Coloured, of every description. ROUGH PLATE GLASS in long lengths 1/2 inch thick. Glass Pantiles, Slates, &c. &c. White Lead, Paints, Colours, Oils, Varnishes, Brushes, &c.; Mill and Sheet Lead, Lead Pipe from 1 inch to 48 inches bore; Solder, Water-joints, Rastres, Plumbers' and Brass Work of every description, and upon the very best terms. Glass Ornamented Shades, Blinds, &c., Propagating and New Glass—Admission 7, Bishopsgate-street Without. See Advertisement, Saturday, June 23, 1851.

E and W. H. JACKSON beg to call the attention of Builders and the Trade to the LOW PRICES of their PATENT PLATE GLASS, BRITISH PLATE, and for glazing, of unrivalled quality and finish. ROUGH PLATE, CROWN'S, SHEET, ORNAMENTAL, and ORNAMENTAL GLASS in every variety, of the best manufacture, at the lowest terms. Designs and estimates furnished for ornamental windows either for houses or church decorations. All applications for estimates and list of prices to be made at their warehouses, 315, OXFORD STREET.

CHEAP ORNAMENTAL GLASS.—I beg to inform my friends and the public, that I have now completed a new PATENT, and, owing to the facility with which I can execute orders, I am enabled to reduce my former prices considerably. The prices are now from 1/6 REBELLING PER FOOT SUP., and borders from SIXPENCE PER FOOT SUP. A large quantity of the cheapest patterns always in stock. Embossing and painting work on the most moderate terms.—CHARLES LONG, No. 1, King-street, Baker-street, Portman-square.—Cash only.

TO BUILDERS, PLUMBERS &c.
JAMES MILES'S cheap ENGLISH and FOREIGN WINDOW GLASS WAREHOUSE, in Church-street, Shoreditch, near the Eastern Counties Railway Terminus. Cases of foreign sheet, various sizes, 30 feet crease of sheet, 10 to 16 in. sq. ft. per foot, and crown O.C. 16 in. per square, plate; Hartley's ROUGH PLATE; stained, etched, and ornamental glass; crown squares of every size in stock; sheet lead; pipe; patent malleable; solder and plumbers' brass work of all kinds; white lead, oils, and varnishes. Low prices. Large STOCK of PAPER-HANGINGS; oil and lead brought in any quantity, or taken in exchange. Glasses glazed and primed in oil at very low prices, in any quantity.

BELGIAN SHEET-GLASS.—**ALFRED GOULET** begs to inform the Trade that he is prepared to supply the above Glass, of good quality, and 14 ounces to the foot, upon the following terms:—In single cases, containing 300 feet (more included), 1/2 of a pane of 8 ft. 6 in. at 3d. per foot. In parcels of ten cases, at 2/6 per case; or out to any given size, at 3d. per foot. **SOHO CROWN SHEET, ORNAMENTAL, and PLATE GLASS WAREHOUSE, 25, SOHO-SQUARE.**

BELGIAN WHITE GLASS.—**W. HICKSON** of Lime-works, having imported the first parcel of 36 in. Glass in large cases, has to inform the Trade of Builders, &c. that the quality and price are of the best. The price of Sheet-Glass, 16 in. or 18 in. standard, 8d. per case. Terms cash.

GLASS MOSAIC.—**GEORGE HENRY STEVENSON**, Decorative Artist in Mosaic, begs leave to offer to the notice of the Nobility, Gentry, and Architects, specimens of the beautiful art of Glass Mosaic. Having studied working in mosaic for some years past, he is now prepared to execute panels or other decorations in ornamental patterns, also combined with the introduction of heraldic decorations. G. H. S. respectfully solicits in inspection of his elegant Mosaic Tablets. The mosaic is well suited for side-chairs, pier and chimney, tables, chest tables, and boards; or in the place of marble, &c. &c. to internal decoration, being composed entirely of stained glass, and embedded in a very strong cement that renders it as durable as stone or marble. G. H. S. desires of the specimens, removed from the Fine Art Court of the Great Exhibition, are now on view at the depot, 14, Stafford-row, Buckingham-street, Piccadilly.

HOT-HOUSE AND DAIRY-GLASS.

Glass, in small sizes for pit frames; strong sheet and Rough Plate for conservatories, churches, railway stations, factories, &c.; Fern Temples, Fern Shades, and the greatest variety of Garden Glasses of any house in London. Patent Glass Fern Glasses, Greenhouses, Glass Pans, Propagating Cases, other variety of Glass, and other useful glass. Great facilities in ornamental glass adapted for premises.—For priced estimates and estimates apply to Messrs. CHAMBER and Co., Window Glass and Glass Shade Warehouse, 41, Leadenhall-street, London.

TO BUILDERS, CARPENTERS, CABINETMAKERS, CHUPLINERS, UNDERTAKERS, AND OTHERS.

THOMAS KITT begs to inform the above Tradesmen that he continues to supply, at the lowest prices, all kinds of PAINTS and CLAY, suitable for churches, chapels, houses, tables, curtains, &c.; also billiard, chess tables, and book cloths, in single and double widths, to suit the trade. He also begs to add, that having for many years made this branch of his business his particular study, he is enabled to meet the wants of the trade in regard to widths, colours, and prices. Much time and trouble, therefore, would be saved by first applying at his Wholesale and Retail Warehouse, No. 21, Cloth Fair, West Smithfield, where he has been established more than twenty years. Priced letters carefully attended to.

PATENT OFFICE, 123, Chancery-lane.

IMPORTANT NOTICE.—The cost of an English Patent is now reduced 50 per cent, and the process much simplified. Inventors and others applying, either personally or by letter, are gratuitously furnished with every information for obtaining home and foreign patents, or recommendations. Careful examinations are also given. Specifications prepared, and mechanical drawings executed.—Address Mr. FREDERICK GEORGE BRAZIER, Patent Office, 123, Chancery-lane.

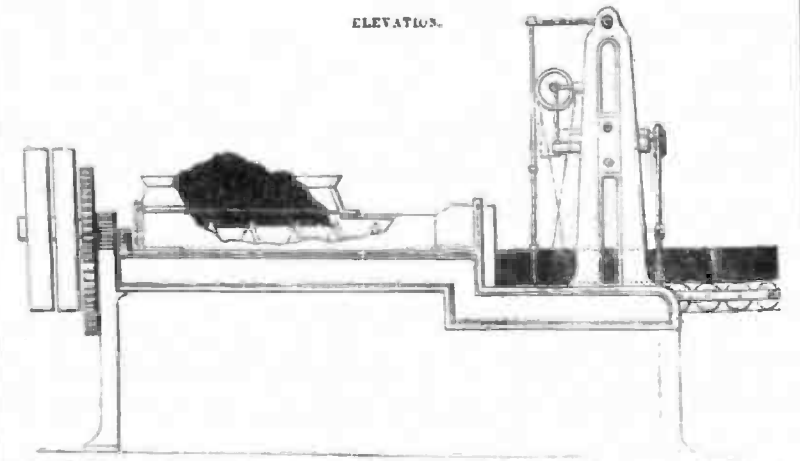
ANCIENT HOUSE FURNITURE

In order to supply the deficiency which has hitherto existed in Furniture suitable for the many Mansions here erected, and in the MEDIEVAL STYLE, Messrs. CRAFF have directed their particular attention to this subject, and have prepared appropriate specimens in the various branches of Furniture. STUFFS for HANGINGS, in simple Worsted Damask, in Silk; also in Tapestry of Boudoirs. CARPETS, plain or in rich Velvet (dye, with appropriate Borders. PAPER HANGINGS of various kinds. OAK CABINETS, Buffets, Octagonal Library and Dressing Tables, Benches, Chairs, and other useful and appropriate Furniture. They have also received from Messrs. HARDMAN, of Birmingham, samples of their Metal Work; Chandeliers, Broom, China stands for Tables, Salons, Flagon, and other Ornaments for Sideboards, after the manner of the Middle Ages. The whole of the above mentioned Furniture, &c. is designed after ancient authorities, and executed under the immediate supervision of Mr. A. W. PUGH, Architect. To view this Furniture generally available, a considerable portion has been arranged in the simplest manner, consistent with ancient character. 14, Wigmore-street, Portman-square, 1851.

RANDELL AND SAUNDERS'S PATENT MACHINE

FOR THE IMPROVED MANUFACTURE OF BRICKS, TILES, & PIPES.

ELEVATION.



In this machine are combined the two objects so long sought in brick machines—a press which forces the clay through a die with resolution so long as the clay is supplied to the machine, and a perpetual self-acting cutter, which severs the clay the required length without interfering with its progress.

The clay, in a rough state, is thrown upon the person employed to fill the machine; the screw, in revolving, thoroughly rams the clay, and also forces it forward into a chamber at the other end of the cylinder in which they revolve; from this chamber the clay is allowed to issue through a die, and it is obvious that the stream of clay must take the form of the opening through which it issues, and this opening can be made of the form required to make bricks, tiles, pipe, and other descriptions of ware.

When it is necessary to give the ends of the cylinder a corrugated shape, this can be done by attaching a knife to the cylinder of the cutter; this knife revolves with the cylinder, and in made the shape required for the ends of the bricks which form it imparts to the bricks its cutting form. This arrangement is adapted for making Messrs. RANDELL and SAUNDERS'S Patent Draining Bricks in sewage purposes, which make a drain of much greater strength than the stones are of redware pipe, and at far less cost.

The machine is self-acting—the attendance has merely to put in the clay, and remove the bricks, or other ware, which may be produced.

When worked with two horse power, the machine will produce 1,000 bricks, or 1,000 8 inch pipes, per hour; more power may be applied if desirable, and a larger result obtained.

The screws propel the clay without taking air in with it; thus the ware comes out free from the imperfections which are so often seen in the ware produced by piston presses; and the loss or generally incurred by waste in burning, from the expansion of the ware, is avoided.

The moderate power of this machine, and the simplicity of its construction, place it within the reach of almost every person in trade, both as to cost and management. It not only lessens the cost of labour required in the process of brick making, but, as the ware can be used in a much drier state than it can be when moulded by the hand, the time occupied in drying is much less; and, as the hollow bricks are made, a material saving is effected in the cost of manufacture and burning. In consequence of the great economy given to the clay in its transit, every of very superior quality is produced.

For price and further particulars apply to RANDELL and SAUNDERS, Bath.

TO BRICKMAKERS AND CONTRACTORS.

BRICKS.—20,000 Bricks a day by HART'S

PATENT PORTABLE BRICK MACHINE.—JAMES HART requests attention to the above Machine, equally fitted to insure the performance of the largest contracts, and for the work of the smaller fields; will work any sort of plastic clay, and invariably turn out a first-rate article. May be seen at work daily at the Atlas Works, Borough-road, Southwark, under the auspices of the eminent person who has designed HART'S PATENT HOLLOW BRICK and TILE MACHINE, the simplest and strongest that can be made, to be seen at work at the same place, and hollow bricks, plain and of all descriptions of ornamental bricks and the work, 30 feet a minute of 8-inch pipe by one man. Agents wanted for the sale of the above and other Machines.—Apply with references to JAMES HART, Atlas Works, Borough-road, London.

PATENT VULCANIZED INDIA.

RUBBER TUBING, for Gas Fitting, Chemical Purposes, Fire Engines, Muzzle Pumps, &c.—JAMES LYLE HANCOCK, Sole Manufacturer (and Licensor), Gunpowell-mews, Gunpowell-buildings, London, begs to invite the attention of Architects, Builders, Engineers, and the Trade generally, to the Vulcanized India Rubber Tubing, which is now manufactured from 1/2 inch bore and upwards, in lengths from 25 to 100 feet, and of various strengths, suitable for the purposes for which it is applied. VULCANIZED RUBBER FOR FIRE ENGINES, LIQUID NATURE, and for conveying HOT WATER, to BATHS in DWELLING-HOUSES and PARKS, &c., manufactured to resist great pressure of any length and size to order.

* Testimonials may be had on application at the Manufactory. N.B. VULCANIZED WIRE ROPE, and SHEET RUBBER, or Steam and Hot Water Pipes, and Packings for Pistons and Glands, Boilers of Steam Engines, cut to any size to order.

COKE CHEAP.

This economical and useful fuel, of a very superior quality, to be had in quantities of five chaldrons and upwards, cleared in a week, at SEVEN SHILLINGS per CHALDRON, at the three works of the Phoenix Gas Company, viz. Bankside, Southwark; Upper Surrey near Vauxhall-bridge foot; and Greenwich. This Coke is used by the Majesty's conservatories, as well as in private houses, and is the only adapted for steam-engines in the City of London, and which is now allowed.

TARPAULINS for COVERING ROOFS

for Repairing, SCAFFOLD CHAND and every description of ROOF used by Builders upon the lowest terms. Managers of temporary Avonians on mile or more. Orders per post possible. Most prompt attention.—WILLIAM PINCHOTT, 115, Fore-street, City. Manufacturer, by appointment, to Her Majesty's Household, Board of Ordnance.

SMITH'S REGISTERED AUTOMATON

WITH OUTLET JUNCTION and AIR-TIGHT CAP for communication with the trap and drain-pipe, extra.

The above are adapted for every purpose, but more especially for connection with SMITH'S REGISTERED AUTOMATON, and ACTING PLUMBING, for the gathering the cheapest and most perfect water-closet ever introduced; and for the removal of the water from the water-closet and privy, or where the head of THOMAS SMITH, Patent Drain Pipe Manufacturer, 72, Finsbury-street, Lambeth.